Please type a plus sign (+) inside this box ——

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB controlation

UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. First Inventor

500.40214X00

Masaya UMEHARA

SERVICE PROVIDING SYSTEM

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No.

APPLICATION ELEMENTS			ADDRESS TO: Assistant Commissioner for Patents Box Patent Application				
	ncerning utility patent application con	tents.	Washington, DC 20231				
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)			7. CD-ROM or CD-R in duplicate, large table or				
Applicant claims small entity status.			Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission				
See 37 CFR 1.27		(if applicable, all necessary)					
3. X Specification (preferred arrangement)			a. Computer Readable Form (CRF)				
- Descriptive title	e of the invention ce to Related Applications		b. Specification Sequence Listing on:				
- Statement Reg	garding Fed sponsored R & D		i. CD-ROM or CD-R (2 copies); or				
	equence listing, a table, program listing appendix		i i. 🔲 paper				
- Background of	f the Invention		c. Statements verifying identity of above copies				
- Brief Summary - Brief Description	y of the Invention on of the Drawings (if filed)		ACCOMPANYING APPLICATION PARTS				
- Detailed Desc			9. X Assignment Papers (cover sheet & document(s))				
- Claim(s) - Abstract of the	Disclosure		37 CFR 3.73(b) Statement Power of				
- Abstract of the	·	_	(when there is an assignee) Attorney				
4. X Drawing(s) (35 (U.S.C. 113) [Total Sheets 8]	11. English Translation Document (if applicable) Information Disclosure Copies of IDS				
5. Oath or Declaration	[Total Pages 4]	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations				
a. X Newly exec	cuted (original or copy)		13. Preliminary Amendment				
b. Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed)			14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)				
	TION OF INVENTOR(S) atement attached deleting inventor(s)		15. X Certified Copy of Priority Document(s) (if foreign priority is claimed)				
named in	the prior application, see 37 CFR		16. Request and Certification under 35 U.S.C. 122				
1.63(0)(2)	and 1.33(b).	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.					
6. Application Data Sheet. See 37 CFR 1.76			or its equivalent. 17. X Other: Credit Cord Power ont Form				
18 If a CONTINUING APPL	ICATION check appropriate how an	d supply	the requisite information below and in a preliminary amendment,				
or in an Application Data Sh	eet under 37 CFR 1.76:	u suppiy	петецивке впотпакой реюм ано ит а ргенинату ателотель,				
Continuation	Divisional Continuation-in-par	t(CIP)	of prior application No/				
Prior application information	Examiner	_	Group Art Unit.				
For CONTINUATION OR DIVIS Box 5b. is considered a part	IONAL APPS only: The entire disclosur of the disclosure of the accompanying	e of the processing	rior application, from which an oath or declaration is supplied under on or divisional application and is hereby incorporated by reference.				
The incorporation can only be	relied upon when a portion has been	inadverten	tly omitted from the submitted application parts.				
	19. CORRESP	ONDEN	CE ADDRESS				
X Customer Number or Bar C	X Customer Number or Bar Code Label 020457 or Correspondence address below (Insert Customer No. or Attach bar code label here).						
Name							
10 x 10 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			***************************************				
Address							
City		St	ate Zip Code				
Country		Teleph	one Fax				
Name (Print/Type)	Carl I. Brundidge		Registration No. (Attorney/Agent) 29,621				
Signature	10 T		Date June 15, 2001				

Burden Hour Statement: This form is estimated to take 0.2 hours to complete Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



PTO/SB/17 (12/99) Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

June 15, 2001

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$)	7	5	n	1	Λ	ſ
(Ψ)	1	J	v	٠.	v	١

to the control ratiosof.					
Complete if Known					
Application Number					
Filing Date	June 15, 2001				
First Named Inventor	Masaya UMEHARA				
Examiner Name					
Group / Art Unit					
Attorney Docket No.	500 40214X00				

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)					
1. The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES					
indicated fees and credit any overpayments to:	Large Entity Small Entity Fee	Ess Bath				
Deposit Account 01-2135	Code (\$) Code (\$)	Fee Paid				
Number 01-2133	105 130 205 65 Surcharge - late filing fee or oath	0.00				
Deposit Account Antonelli, Terry, Stout&Kraus, LLP	127 50 227 25 Surcharge - late provisional filing fee or cover sheet.	0.00				
Traine	139 130 139 130 Non-English specification	0.00				
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	147 2,520 147 2,520 For filing a request for reexamination	0.00				
2. X Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to Examiner action	0.00				
Check Money X Other	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action	0.00				
FEE CALCULATION	115 110 215 55 Extension for reply within first month	0.00				
1. BASIC FILING FEE	116 380 216 190 Extension for reply within second month	0.00				
Large Entity Small Entity	117 870 217 435 Extension for reply within third month	0.00				
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	118 1,360 218 680 Extension for reply within fourth month	0.00				
101 600 201 24E Hillity Fling for	128 1,850 228 925 Extension for reply within fifth month	0.00				
106 310 206 155 Design filing fee 710.00	119 300 219 150 Notice of Appeal	0.00				
107 480 207 240 Plant filing fee	120 300 220 150 Filing a brief in support of an appeal	0.00				
108 690 208 345 Reissue filing fee	121 260 221 130 Request for oral hearing	0.00				
114 150 214 75 Provisional filing fee	138 1,510 138 1,510 Petition to institute a public use proceeding	0.00				
[10.710.00]	140 110 240 55 Petition to revive - unavoidable	0.00				
SUBTOTAL (1) (\$) 710.00	141 1,210 241 605 Petition to revive - unintentional	0.00				
2. EXTRA CLAIM FEES Fee from	142 1,210 242 605 Utility issue fee (or reissue)	0.00				
Extra Claims below Fee Paid	143 430 243 215 Design issue fee	0.00				
Total Claims 13 $-20** = 0$ \times 18 $= 0$	144 580 244 290 Plant issue fee	0.00				
Independent 3 - 3** = 0 × 80 = 0	122 130 122 130 Petitions to the Commissioner	0.00				
Multiple Dependent =0	123 50 123 50 Petitions related to provisional applications	0.00				
**or number previously paid, if greater; For Reissues, see below Large Entity Small Entity	126 240 126 240 Submission of Information Disclosure Stmt	0.00				
Fee Fee Fee Fee Description	581 40 581 40 Recording each patent assignment per	0.00				
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	property (times number of properties) 146 690 246 345 Filing a submission after final reportion	40.00				
103 18 203 9 Claims in excess of 20 102 78 202 39 Independent claims in excess of 3	(37 CFR § 1.129(a))	0.00				
104 260 204 130 Multiple dependent claim, if not paid	149 690 249 345 For each additional invention to be examined (37 CFR § 1.129(b))	0.00				
109 78 209 39 ** Reissue independent claims over original patent	Other fee (specify)	0.00				
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	Other fee (specify)	0.00				
SUBTOTAL (2) (\$) 0.00	Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00					
CURLIFIED DV						
SUBMITTED BY Complete (if applicable) Registration No. 00 cold The cold						
Name (Print/Type) Carl I Brundidge	(Attarney/Agent) 29,621 Telephone 703-312-	6600				
Signature Date Tune 15 2001						

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/17 (12/99)

Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMEN

Τ	(\$)750.00
---	------------

a replaye a rand Citib Control number.					
Complete if Known					
Application Number					
Filing Date	June 15, 2001				
First Named Inventor	Masaya UMEHARA				
Examiner Name					
Group / Art Unit					
Attorney Docket No.	500,40214X00				

METHOD OF PAYMENT (check one)	T	FEE CALCULATION (continued)					
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:		3. ADDITIONAL FEES Large Entity Small Entity					
Deposit Account Number 01-2135			Fee			Fee Paid	
		130	205	65	Surcharge - late filing fee or oath	0.00	
Deposit Account Antonelli, Terry, Stout&Kraus, LLP	127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	0.00	
1,4110	139	130	139	130	Non-English specification	0.00	
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	147	2,520	147	2,520	For filing a request for reexamination	0.00	
2. X Payment Enclosed:	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	0.00	
Check Money X Other	113	1,840*	113	1,840	 Requesting publication of SIR after Examiner action 	0.00	
FEE CALCULATION	115	110	215	55	Extension for reply within first month	0.00	
1. BASIC FILING FEE	116	380	216	190	Extension for reply within second month	0.00	
Large Entity Small Entity	117	870	217	435	Extension for reply within third month	0.00	
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	118	1,360	218	680	Extension for reply within fourth month	0.00	
101 600 201 245 Utility films for	128	1,850	228	925	Extension for reply within fifth month	0.00	
106 310 206 155 Design filing fee 710.00	119	300	219	150	Notice of Appeal	0.00	
107 480 207 240 Plant filing fee	120	300	220	150	Filing a brief in support of an appeal	0.00	
108 690 208 345 Reissue filing fee	121	260	221	130	Request for oral hearing	0.00	
114 150 214 75 Provisional filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding	0.00	
	140	110	240	55	Petition to revive - unavoidable	0.00	
SUBTOTAL (1) (\$) 710.00	141	1,210	241	605	Petition to revive - unintentional	0.00	
2. EXTRA CLAIM FEES		1,210	242	605	Utility issue fee (or reissue)	0.00	
Fee from Ext <u>ra Claims below Fee Paid</u>	143	430	243	215	Design issue fee	0.00	
Total Claims 13 -20** = 0	144	580	244	290	Plant issue fee	0.00	
Claims C Y Y C Y TV	122	130	122	130	Petitions to the Commissioner	0.00	
Multiple Dependent =0	123	50	123	50	Petitions related to provisional applications		
**or number previously paid, if greater, For Reissues, see below		240	126	240	Submission of Information Disclosure Stmt	0.00	
Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	581	40	581	40	Recording each patent assignment per	0.00	
103 18 203 9 Claims in excess of 20	146	690	246	345	property (times number of properties)	40.00	
102 78 202 39 Independent claims in excess of 3				0.0	Filing a submission after final rejection (37 CFR § 1 129(a))	0.00	
104 260 204 130 Multiple dependent claim, if not paid	149	690	249	345	For each additional invention to be		
109 78 209 39 ** Reissue independent claims over original patent	Other f	ee (en	ecifi()		examined (37 CFR § 1.129(b))	0.00	
110 18 210 9 ** Reissue claims in excess of 20		Other fee (specify) 0.0					
and over original patent	Other for	ee (sp	ecify)			0.00	
SUBTOTAL (2) (\$) 0.00 Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00							
SUBMITTED BY Complete (if applicable)							
Name (Print/Type) Carl I. Brundidge Registration No. 29 621 Telephone 703-312-6600							

Signature Date June 15, 2001 WARNING:

> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.